


The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

BIOG LEMNOS

Promoting green and circular economy through Biogas exploitation in Lemnos



“An Energy Community will be potentially established to own and operate the facility giving room for a joint investment by the Municipality, several stakeholders and citizens.”

Country  GREECE	Island LEMNOS	Project promoter Municipality of Lemnos	Sector Biogas	Project value 980,000 €
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What is the project about?

- The project promotes local circular economy in Lemnos by the valorization of biowaste for biogas production. A biogas production facility including an Anaerobic Digestion (AD) unit and a Combined Heat and Power (CHP) unit will be designed and possibly be governed by an Energy Community.
- The feedstock will be biowaste derived from agrofood activities (oil mill liquid residues, cheese whey, winery residues) and municipal biowaste (such as urban sludge).

How will the EU Islands Facility NESOI support the project?

- Assessment of the key project sizing drivers
- Evaluation of the primary technological solution in comparison with other possible solutions
- Definition of the required environmental permitting procedures
- Cost Benefit analysis and socio economic and environmental impact evaluation
- Definition of the technical, economic and financial, fiscal project inputs
- Risk analysis and identification of available mitigation strategies
- Assessment of existing procurement options
- Financial modelling and identification of target scenario
- Identification of financing/funding options
- Action plan and identification of project monitoring procedures



Olive grove on Lemnos

(Source: markdbaynham)